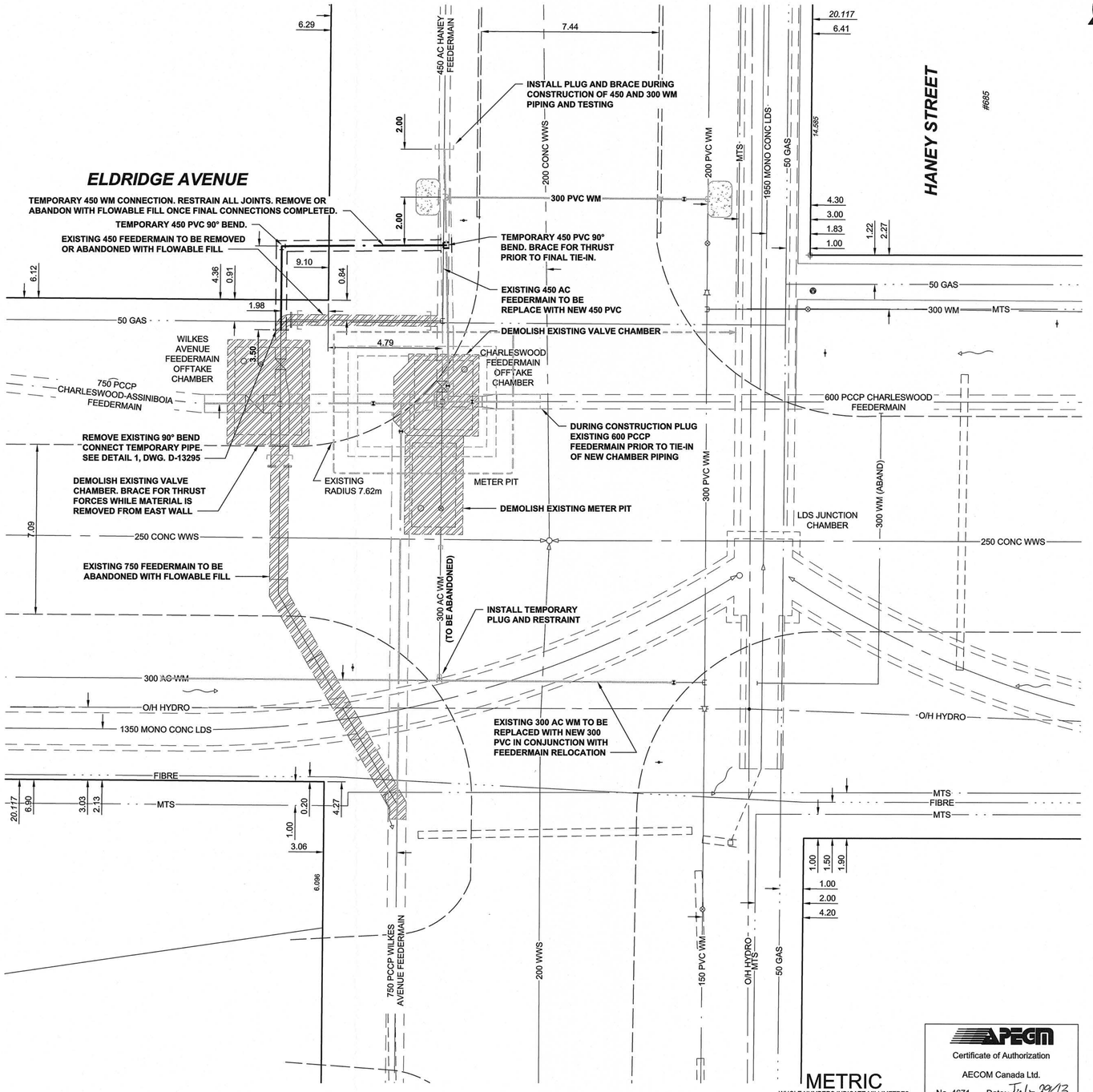
D SIZE 22" x 34" (559mm x 864mm)
PLOT: 7/29/2013 10:28:26 AM
AECOM FILE NAME: 60297251-SHT-00-0000-C-0001.dwg Saved By: denourdenw



DEMOLITION AND BACKFILL NOTES

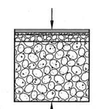
1. DEMOLISH AND REMOVE ALL CONCRETE STRUCTURES.
2. COMPLETELY REMOVE THE TOPS AND WALLS OF EXISTING BELOW GRADE STRUCTURES TO BE DEMOLISHED.
3. EXISTING CHAMBER BASE SLABS MAY REMAIN IN PLACE GIVEN THEY DO NOT INTERFERE WITH PROPOSED WORK.
4. ALL CONCRETE DEBRIS TO BE REMOVED FROM SITE.
5. OVER EXCAVATION BELOW PROPOSED PIPING TO BE BACKFILLED WITH CRUSHED ROCK SUB BASE MATERIAL MEETING CW3110.1 MAX. 100mm. COMPACT TO 95% SPD.
6. ALL EXCAVATION WITHIN 1.0m OF ROADWAY SHALL BE BACKFILLED WITH CLASS 2 BACKFILL AS PER CW2030, UNLESS OTHERWISE NOTED ON DRAWINGS.
7. ALL OTHER AREAS TO BE BACKFILLED WITH CLASS 4 BACKFILL AS PER CW2030 UNLESS OTHERWISE NOTED ON DRAWINGS.

STAGING

1. LOCATE TIE-IN JOINT LOCATIONS ON EXISTING PCCP FEEDERMAINS.
2. CONSTRUCT TEMPORARY 450 HANEY FEEDERMAIN BY-PASS AND NEW 300 WM CONNECTION TO EXISTING WM ON HANEY ST:
   - 2.1. PLUG, BRACE AND PUT HANEY FEEDERMAIN BACK INTO SERVICE WHILE CONSTRUCTING AND TESTING NEW PIPING.
3. ABANDON EXISTING 300 WM AT TEE SOUTH OF EXISTING METER PIT:
   - 3.1. PLUG AND RESTRAIN TEE AT EXISTING MAIN
   - 3.2. ABANDON REMAINING WATERMAIN
4. CLOSE VALVE ON CHARLESWOOD FEEDERMAIN AT LAXDAL STREET AND DRAIN FEEDERMAIN
5. INSTALL BRACING FOR EXISTING WILKES AVENUE FEEDERMAIN OFFTAKE CHAMBER TO RESIST THRUST FORCES.
6. DEMOLISH EXISTING CHARLESWOOD FEEDERMAIN OFFTAKE CHAMBER AND METER PIT.
7. CONSTRUCTION OF NEW VALVE CHAMBER:
   - 7.1. CONSTRUCT BASE SLAB.
   - 7.2. INSTALL VALVES AND CHAMBER PIPING. TIE-IN CHARLESWOOD FEEDERMAIN DURING INSTALLATION OF CHAMBER PIPING.
   - 7.3. CONSTRUCT CHAMBER WALLS AND ROOF.
8. ABANDON TEMPORARY 450 HANEY FEEDERMAIN BY-PASS PIPING AND CONNECT NEW 450 FEEDERMAIN TO CHAMBER PIPING.
9. WILKES AVE FEEDERMAIN CONNECTION:
   - 9.1. EXISTING 750 WILKES AVE FEEDERMAIN PIPING TO REMAIN IN SERVICE UNTIL TIE-IN OF NEW FEEDERMAIN PIPING
   - 9.2. INSTALL NEW 300 WM UP TO EXISTING 750 FEEDERMAIN
   - 9.3. INSTALL NEW 750 FEEDERMAIN PIPING UP TO TIE-IN LOCATION
   - 9.4. PLUG AND TEST NEW FEEDERMAIN PIPING
   - 9.5. TIE-IN 750 FEEDERMAIN
   - 9.6. COMPLETE 300 WM, TEST AND TIE-IN TO EXISTING WM.
10. ABANDON EXISTING 750 WILKES AVE FEEDERMAIN SHOWN ON DRAWINGS.
11. REMOVE CHARLESWOOD-ASSINIBOIA FEEDERMAIN FROM SERVICE, DRAIN, AND DEMOLISH WILKES AVENUE FEEDERMAIN OFFTAKE CHAMBER.
12. CONNECTION OF CHARLESWOOD-ASSINIBOIA FEEDERMAIN:
    - 12.1. INSTALL NEW FEEDERMAIN PIPING UP TO TIE-IN LOCATION
    - 12.2. PLUG AND TEST NEW FEEDERMAIN PIPING
    - 12.3. TIE-IN 750 FEEDERMAIN

SHUTDOWNS

1. AS PER D17 OF THE SPECIFICATIONS.
2. THE CHARLESWOOD FEEDERMAIN MAY BE SHUT OFF AT LAXDAL STREET AND ELDRIDGE AVENE AND DEWATERED DURING CONSTRUCTION OF THE NEW CHAMBER.
3. REMAINING FEEDERMAINS TO REMAIN IN SERVICE DURING CONSTRUCTION EXCEPT FOR TIE-INS.



2 LIFTS SURFACE TREATMENT
75-20mm BASE COURSE
225-50mm LIMESTONE SUB-BASE
CLASS 2 BACKFILL

SECTION
ASPHALT SURFACE TREATMENT RESTORATION

0 2500 5000 mm
1:100

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT, THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

PEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: July 29/13

BID OPPORTUNITY NO. 645-2013

150 WM	WATERMAIN	150 WM		CURB STOP		150 WM	WATERMAIN	150 WM
	HYDRANT			REDUCER			HYDRANT	
	VALVE			COUPLING			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS		HYDRO		250 WWS	WASTE WATER SEWER	250 WWS
	MANHOLE			MTS			PAVEMENT CROWN	
	CATCH BASIN			GAS			N/W PROPERTY LINE	
	CURB INLET			TESTHOLE			S/E PROPERTY LINE	
	CULVERT			LAMP STANDARD			N/W GUTTER	
	PIPE ABANDONMENTS			TREE			S/E GUTTER	
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	13/07/26	ADL

AECOM REVIEW | DRFT CHK

AECOM

DESIGNED BY	ADB	CHECKED BY	
DRAWN BY	ADL	APPROVED BY	
HOR. SCALE	1:100	RELEASED FOR CONSTRUCTION	
VERT. SCALE	N/A		
DATE		DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
A.D. BRAUN
Member
24453
July 29/13
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
60297251-SHT-00-0000-C-0001

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

REPLACEMENT OF FEEDERMAIN VALVE CHAMBER, PIPING & ASSOCIATED WORKS AT ELDRIDGE AVENUE & HANEY STREET

CIVIL

ELDRIDGE AVENUE AT HANEY STREET
TEMPORARY WORKS, STAGING AND DEMOLITION PLAN

SHEET 01 OF 05
CITY DRAWING NUMBER
D-13292 REV 0